

# **Children's Progress Academic Assessment™ (CPAA™) Scope & Sequence**




The Children’s Progress Academic Assessment™ (CPAA™) is a computer-adaptive assessment. This means that while it follows a scope and sequence designed for each grade (Pre-K – 3) and is aligned to Common Core or your state standards, it also automatically adjusts to the appropriate level for each student. In each grade, there are three content banks (fall, winter, spring) that increase in difficulty throughout the year, as students work toward end-of-year goals. The tables on the following pages list the early literacy and mathematics skills assessed on the CPAA in each grade. The symbols below are used in the tables to clarify how we present and adjust content for each student:

- ✓ content shown to all students performing at expectation
- ★ content shown to students excelling with foundational concepts and ready for a greater challenge
- ⊙ content shown to students exhibiting difficulty with some grade-appropriate concepts

The adaptive structure of the assessment makes it possible for students to sometimes see content that is above or below grade level, depending on their performance. Above-level content is provided to high-performing students to ensure that each child is challenged appropriately based on his or her skill level. Furthermore, our scoring is unlike that of a summative assessment. High-performing students are NOT penalized if they are unable to complete above-grade-level questions.




## Pre-K: Early Literacy

✓ = At Expectation   ★ = Excelling   ☉ = Having Difficulty

Concept	Description/Example	Fall 	Winter 	Spring 
<b>Listening</b>				
Listening Skills	<i>Follow one-, two-, three-, and four-step directions</i>	✓	✓	✓
Listening Comprehension	<i>Answer questions about a story read aloud (i.e., details, main character and topic, setting, inference)</i>	✓	✓	✓
<b>Phonics/Writing</b>				
Letter ID	<i>Identify upper- and lower-case letters of the alphabet</i>	✓	✓	✓
Letter-Sound - Single Letter	<i>Identify introductory letter-sound correspondences</i>			★
<b>Phonemic Awareness</b>				
Compound Words	<i>Blend two words to form one compound word</i>	✓	✓	
Initial Sound	<i>Distinguish and identify the initial sounds of spoken words</i>	✓	✓	✓
Rhyming	<i>Identify one-syllable rhyming pairs</i>	★	★	★
Blending	<i>Blend together two and three phonemes to form whole words</i>			✓
<b>Reading</b>				
Name Fluency	<i>Identify first and last name from among similarly spelled words</i>	✓	✓	✓
Concepts of Print - Book	<i>Identify parts of a book (e.g., title, author, back cover), distinguish print from pictures, and recognize text is read left-to-right</i>	✓	✓	✓
Concepts of Print - Text	<i>Identify letters and words in and out of context (e.g., select last letter in a word, distinguish a word from a letter, number and picture)</i>	✓	✓	✓




## Pre-K: Mathematics

✓ = At Expectation ★ = Excelling ⊙ = Having Difficulty

Concept	Description/ Example	Fall 	Winter 	Spring 
<b>Measurement</b>				
Shape ID	<i>Pick out a shape by name and color and identify the shapes of objects</i>	✓	✓	✓
Measurement Comparison	<i>Compare objects based on size, length, height, and weight</i>	✓	✓	✓
Positions	<i>Use positional terms (e.g., below, above) to locate objects</i>	★	★	
Quantity Comparison	<i>Compare groups of objects using terms such as most and fewest</i>			✓
<b>Numeracy</b>				
Number ID	<i>Identify numerals 1-9</i>	⊙	⊙	
Quantity ID	<i>Count and identify a group of fewer than 10 objects by their number</i>	✓	✓	⊙
Number After	<i>Identify the next number in a counting sequence up to 15</i>	✓	✓	✓
Ordinality	<i>Use ordinal words "first" through "fifth" and "last" to locate objects in a sequence</i>			✓
Correct Order	<i>Place numbers under 10 in the correct order, from smallest to largest</i>			✓
<b>Patterns</b>				
Category	<i>Pick out an object or shape that differs from a group based on function, shape, color or other single features</i>	✓	✓	✓
Shape Patterns	<i>Complete patterns with two objects or geometric shapes of different colors</i>	★	★	✓

## Kindergarten: Early Literacy

✓ = At Expectation ★ = Excelling ⊙ = Having Difficulty

Concept	Description/Example	Fall 	Winter 	Spring 
<b>Listening</b>				
Listening Skills	<i>Follow one-, two-, three-, and four-step directions</i>	✓	✓	✓
Listening Comprehension	<i>Answer questions about a story read aloud (i.e., details, main character and topic, setting, inference)</i>	✓	✓	✓
<b>Phonics/Writing</b>				
Letter ID	<i>Identify upper- and lower-case letters of the alphabet</i>	✓	✓	⊙
Letter-Sound - Single Letter	<i>Identify letter-sound correspondences for single letters</i>	✓	✓	✓
Letter-Sound - Blends & Digraphs	<i>Identify letter-sound correspondences for blends and digraphs</i>	★	✓	✓
Spelling	<i>Spell grade-appropriate, three- and four-letter words (e.g., bed, lamp, cow)</i>		★	★
<b>Phonemic Awareness</b>				
Rhyming	<i>Identify one- and two-syllable rhyming pairs containing blends</i>	✓	✓	⊙
Blending	<i>Blend together two, three, and four phonemes to form whole words</i>	✓	✓	✓
Initial & Final Sound	<i>Distinguish and identify the initial and final sounds of spoken words, including blends</i>	✓	✓	✓
Syllable Counting	<i>Identify the number of syllables in spoken words with up to three syllables</i>			✓
<b>Reading</b>				
Name Fluency	<i>Identify first and last name from among similarly spelled words</i>	✓	✓	✓
Concepts of Print - Book	<i>Identify parts of a book (e.g., title, author, back cover) and distinguish print from pictures</i>	✓	✓	✓
Concepts of Print - Text	<i>Identify letters and words in and out of context (e.g., select last letter in a word, distinguish a word from a letter, number and picture).</i>	✓	✓	✓
Sight Words	<i>Read grade-appropriate sight words (e.g., how, she)</i>	✓	✓	✓
Decodable Words	<i>Decode grade-appropriate, three- to five-letter words including blends and digraphs</i>	✓	✓	✓
Sentence Reading	<i>Match a grade-appropriate sentence to a representative picture</i>	★	✓	✓

## Kindergarten: Mathematics

✓ = At Expectation   ★ = Excelling   ⊙ = Having Difficulty

Concept	Description/ Example	Fall 	Winter 	Spring 
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### Measurement

Shape ID	<i>Pick out a shape by name and color and identify the shapes of objects</i>	✓	⊙	
Positions	<i>Use positional terms (e.g., behind, next to) to locate objects</i>	✓	✓	
Measurement Comparison	<i>Compare objects based on size, length, height, and weight</i>	✓	✓	✓
Quantity Comparison	<i>Compare groups of objects using terms such as most and fewer</i>	★	✓	
Measurement Units - Length	<i>Measure the lengths of items, including the longest and shortest in a group, using non-standard units</i>		★	✓
Currency ID	<i>Identify coins by their name and value</i>		★	✓
Currency Addition	<i>Add currency under 10 cents</i>			★
Calendar	<i>Locate target dates on the calendar (e.g., first day, May 5th) and use the names of the days of the week</i>			✓
Time ID	<i>Tell time to the hour and half hour on analog (round) clocks</i>			✓

### Numeracy

Number ID	<i>Identify numbers as numerals and written words</i>	⊙	⊙	
Subitizing	<i>Subitize (sight count) a group of fewer than 10 objects</i>	✓	✓	⊙
Quantity ID	<i>Count and identify a group of fewer than 20 objects by their number</i>			✓
Ordinality	<i>Use ordinal words "first" through "fifteenth," "last," and "middle" to locate objects in a sequence</i>	✓	✓	✓
Correct Order	<i>Place numbers under 40 in the correct order, from smallest to largest</i>	✓	✓	✓

### Operations

Addition	<i>Add single- and double-digit numbers with sums under 20 using objects and formal methods</i>	✓	✓	✓
Subtraction	<i>Subtract single- and double-digit numbers with differences 10 and under using objects and formal methods</i>	✓	✓	✓

### Patterns

Category	<i>Pick out an object or shape that differs from a group based on function, shape, color or other single features</i>	✓	✓	✓
Shape Patterns	<i>Complete patterns with two to three objects or geometric shapes of different colors</i>	✓	✓	✓
Numerical Patterns	<i>Complete patterns with numbers (e.g., increasing by 5s, 2s)</i>	★	★	✓

# 1<sup>st</sup> Grade: Early Literacy

✓ = At Expectation ★ = Excelling ⊙ = Having Difficulty

Concept	Description/Example	Fall 	Winter 	Spring 
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## Phonics/Writing

Letter ID	Identify upper- and lower-case letters of the alphabet	⊙		
Letter-Sound - Single Letter	Identify letter-sound correspondences for single letters	✓		
Letter-Sound - Blends & Digraphs	Identify letter-sound correspondences for blends and digraphs	✓	✓	
Spelling	Spell grade-appropriate, three-, four-, and five-letter words including blends and digraphs (e.g., bird, ship, lunch)	✓	✓	✓
Alphabet Order	Place words in alphabetical order		✓	✓
Editing - Punctuation	Identify the correct punctuation for target sentences (e.g., periods, question marks, exclamation points)			✓
Editing - Capitalization	Use correct capitalization (e.g., the first word in a sentence and proper nouns)			✓

## Phonemic Awareness

Rhyming	Identify one- and two-syllable rhyming pairs containing blends	✓	⊙	
Blending	Blend together two, three, and four phonemes to form whole words	✓	✓	⊙
Initial & Final Sound	Distinguish and identify the initial and final sounds of spoken words, including blends	✓	✓	✓
Vowel Sound	Distinguish and identify the vowel sounds of spoken words, including short- and long-vowels	★	✓	✓
Syllable Counting	Identify the number of syllables in spoken words with up to five syllables	★	✓	✓
Phonemic Addition	Create new words with blends by adding phonemes to existing words		✓	✓
Decoding <sup>1</sup>	Decode four- and five-letter nonsense words including blends and digraphs			✓



## Reading

Sight Words	Read grade-appropriate sight words (e.g., have, this)	✓	✓	⊙
Decodable Words	Decode grade-appropriate, three- to six-letter words including blends and digraphs	✓	✓	✓
Sentence Reading	Match a grade-appropriate sentence to a representative picture. Identify the grade-appropriate sentence that best describes a picture	✓	✓	✓
Short Passages	Read a brief narrative passage and answer questions (e.g., details, inferences)			✓

<sup>1</sup> Please note that if a child demonstrates sufficient mastery of phonemic awareness in first grade, it is possible for him/her to view some questions in decoding.

# 1<sup>st</sup> Grade: Mathematics

✓ = At Expectation ★ = Excelling ⊙ = Having Difficulty

Concept	Description/Example	Fall	Winter	Spring
				

## Measurement

Currency ID	Identify coins by their name and value	✓	⊙	
Calendar	Locate target dates on the calendar (e.g., last Thursday, October 15th) and use the names of the days of the week	✓	✓	✓
Time ID	Tell time to the hour, half hour, quarter hour, and five-minutes on both digital and analog (round) clocks	✓	✓	✓
Currency Addition	Add currency under one dollar including matching equivalent groups of coins		✓	✓
Bar Graphs	Read and interpret a bar graph and extract the relevant information (e.g., particular data point, greatest value)			★

## Numeracy

Subitizing	Subitize (sight count) a group of fewer than 10 objects	⊙		
Quantity ID	Determine which group of objects contains a specific quantity less than 10		⊙	
Ordinality	Use ordinal words "first" through "twentieth" to locate objects in a sequence	✓	✓	✓
Correct Order	Place numbers under 120 in the correct order, from smallest to largest	✓	✓	⊙
Unit Blocks	Identify the value represented by unit blocks (e.g. units, rods) up to 100	✓	✓	
Place Value	Identify the place values of digits in two- and three-digit numbers		★	✓
Number Comparison	Identify the largest number in an array of similar three- and four-digit numbers. Use symbols (<, >, =) to compare three-digit numbers.			✓

## Operations

Addition	Add single- and double-digit numbers with sums under 50 using regrouping if necessary	✓	✓	✓
Subtraction	Subtract single- and double-digit numbers with differences under 30 using regrouping if necessary	✓	✓	✓
Word Problems	Solve word problems involving addition and subtraction with single- and double-digit numbers			★

## Patterns/Functions

Shape Patterns	Complete patterns with two geometric shapes of different colors. Match groups of shapes and objects following the same pattern.	✓	✓	⊙
Numerical Patterns	Complete patterns with numbers (e.g., increasing by 10s, 3s)	✓	✓	✓
Addition/Subtraction Functions	Find the unknown number or symbol in an incomplete equation			★



## 2<sup>nd</sup> Grade: Early Literacy

✓ = At Expectation   ★ = Excelling   ⊙ = Having Difficulty

Concept	Description/Example	Fall 	Winter 	Spring 
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### Phonics/Writing

Spelling	<i>Spell grade-appropriate, four-, five-, and six-letter words including blends and digraphs (e.g., coat, crown, monkey)</i>	✓	✓	✓
Editing - Punctuation	<i>Identify the correct punctuation for target sentences (e.g., periods, question marks, exclamation points, commas)</i>	✓	✓	✓
Editing - Capitalization	<i>Use correct capitalization (e.g., the names of the days and months and proper nouns)</i>	✓	✓	✓
Editing - Contraction	<i>Identify the correct contraction for two target words</i>	✓	✓	✓
Editing - Syntax	<i>Place four to seven words in the correct order to form a complete sentence</i>	★		
Editing - Verbs	<i>Read target sentences and identify the appropriate verb tenses to fill blanks</i>		★	✓
Plurals	<i>Recognize and use regular and irregular plural words</i>			✓
Editing - Possessive Nouns	<i>Identify the correct singular and plural possessive nouns for target sentences</i>			★

### Phonemic Awareness

Final Sound	<i>Distinguish and identify the final sounds of spoken words</i>	⊙		
Vowel Sound	<i>Distinguish and identify the vowel sounds of spoken words, including long-vowels</i>	✓		
Syllable Counting	<i>Identify the number of syllables in spoken words with up to four syllables</i>	✓	✓	✓
Phonemic Addition	<i>Create new words with blends and digraphs by adding phonemes to existing words</i>	✓	✓	✓
Decoding <sup>2</sup>	<i>Decode nonsense words including blends, digraphs, and common spelling patterns</i>	✓	✓	✓




### Reading

Sentence Reading	<i>Identify the grade-appropriate sentence that best describes a picture</i>	⊙	⊙	⊙
Short Passages	<i>Read a brief narrative passage and answer questions (e.g., details, inferences, true statement)</i>	✓	✓	✓
Reading Comprehension	<i>Read a passage and answer related questions (e.g., details, main idea, inferences, genre, etc.)</i>	✓	✓	✓

<sup>2</sup> By the end of second grade, the Phonemic Awareness & Phonics portion of the assessment transitions to focus almost entirely on decoding. If a child demonstrates difficulty with decoding in second grade, then he or she will be assessed on concepts in phonemic awareness.

## 2<sup>nd</sup> Grade: Mathematics

✓ = At Expectation ★ = Excelling ⊙ = Having Difficulty

Concept	Description/Example	Fall 	Winter 	Spring 
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### Measurement

Time ID	<i>Tell time to the hour, half hour, quarter hour, and ten-minutes on analog (round) clocks</i>	✓	✓	⊙
Currency Addition & Subtraction	<i>Add and subtract currency under one dollar including in the context of word problems</i>	✓	✓	✓
Bar Graphs	<i>Read and interpret a bar graph and extract the relevant information (e.g., compare or add multiple data points)</i>	✓	✓	✓
Elapsed Time	<i>Compute elapsed time under one hour using clocks</i>		✓	✓
Rounding	<i>Round two-digit numbers up and down to the nearest ten</i>		✓	✓
Measurement Estimation	<i>Estimate the lengths and weights of objects</i>		✓	✓
Measurement Units	<i>Correctly use units and tools for measuring length and temperature</i>			✓

### Numeracy

Unit Blocks	<i>Identify value represented by unit blocks (e.g. units, rods) up to 100</i>	⊙		
Correct Order	<i>Place two- and three-digit numbers in the correct order, from smallest to largest and vice-versa</i>	✓	⊙	
Number Comparison	<i>Identify the largest number in an array of similar three-and four-digit numbers. Use symbols (&lt;, &gt;, =) to compare three-digit numbers.</i>	✓	✓	⊙
Place Value	<i>Identify place values of digits in three-and four-digit numbers</i>	✓	✓	✓
Fraction ID	<i>Identify fractions (e.g., with numerators of one) with and without visual representations</i>	★	★	✓
Expanded Notation	<i>Represent three- to five-digit numbers in expanded notation (e.g., 900 + 20 + 4)</i>		✓	✓
Fraction Comparison	<i>Compare fractions with different numerators and/or denominators using symbols (&lt; and &gt;)</i>			★

### Operations




Addition	<i>Add single-, double-, and triple-digit numbers with sums under 300 using regrouping if necessary</i>	✓	✓	✓
Subtraction	<i>Subtract single-, double-, and triple-digit numbers with differences under 250 using regrouping if necessary</i>	✓	✓	✓
Multiplication	<i>Multiply single-digit numbers with products under 60</i>		★	★
Word Problems	<i>Solve word problems involving addition, subtraction, and multiplication with single-, double, and triple-digit numbers</i>			★

### Patterns/Functions

Shape Patterns	<i>Complete patterns with two geometric shapes of different colors. Match groups of shapes and objects following the same pattern.</i>	⊙	⊙	
Numerical Patterns	<i>Complete patterns with numbers (e.g., increasing by 25s, decreasing by 5s)</i>	✓	✓	✓
Addition/Subtraction Functions	<i>Find the unknown numbers or symbols in incomplete equations involving addition and subtraction</i>	✓	✓	✓
Multiplication Functions	<i>Find the unknown numbers or symbols in incomplete equations involving multiplication</i>			★

### 3<sup>rd</sup> Grade: Early Literacy

✓ = At Expectation   ★ = Excelling   ⊙ = Having Difficulty

Concept	Description/Example	Fall 	Winter 	Spring 
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#### Phonics/Writing & Reading Mechanics




Prefixes	<i>Name the prefix to correctly alter the meaning of a base word</i>	⊙		
Cloze Activities - Prepositions	<i>Identify the appropriate preposition to complete a sentence</i>	✓		
Verbs	<i>Read target sentences and identify the appropriate verb tenses to fill blanks</i>	✓	⊙	
Editing - Punctuation	<i>Identify the correct punctuation for target sentences (e.g., periods, question marks, exclamation points, commas, quotation marks)</i>	✓	✓	✓
Editing - Capitalization	<i>Use correct capitalization (e.g., the names of people, places, and holidays)</i>	✓	✓	✓
Editing - Possessive Nouns	<i>Identify the correct singular and plural possessive nouns for target sentences</i>	✓	✓	✓
Spelling	<i>Spell grade-appropriate, four- to eight-letter words including blends and digraphs (e.g., beach, pirate, whistle)</i>	✓	✓	✓
Cloze Activities - Adjectives & Adverbs	<i>Identify the appropriate adjectives, including superlative and comparative, and adverbs to complete sentences</i>	✓	✓	✓
Synonyms, Antonyms, Homographs & Homophones	<i>Use synonyms, antonyms, homographs, and homophones in the context of sentences</i>	✓	✓	✓
Advanced Vocabulary	<i>Identify the correct usage of target words in sentences</i>	★	★	✓
Paragraph Completion	<i>Identify the best concluding sentences for narrative, sequence, and non-fiction passages</i>	★	★	★
Pronouns	<i>Identify and use singular, plural, and personal pronouns in sentences</i>		✓	⊙

#### Reading

Concept of Print	<i>Identify the genres of passages</i>	✓	✓	
Details & Main Ideas	<i>Read a passage and answer questions related to details and the main idea</i>	✓	✓	✓
Inferences	<i>Make inferences based on passages</i>	✓	✓	✓
Vocabulary	<i>Define words based on context</i>	✓	✓	✓
True Statement/Opinion	<i>Distinguish facts and opinions in grade-appropriate text</i>	✓	✓	✓

### 3<sup>rd</sup> Grade: Mathematics

✓ = At Expectation ★ = Excelling ⊙ = Having Difficulty

Concept	Description/Example	Fall	Winter	Spring
				

#### Measurement

Time ID	Tell time to the quarter hour and five-minutes on analog (round) clocks	⊙	⊙	
Elapsed Time	Compute elapsed time under an hour and half using clocks and in the context of word problems	✓	✓	⊙
Measurement Units	Correctly use units of measurement for length, weight, volume and temperature	✓	✓	✓
Bar Graphs	Read and interpret a bar graph and extract the relevant information (e.g., add multiple data points, identify particular data point on a double bar graph)	✓	✓	✓
Line Graphs	Interpret line graphs to answer data-driven questions (e.g., compare data, identify trends and make predictions)	★	★	★
Rounding	Round three- and four-digit numbers up and down to the nearest hundred and thousand		✓	✓

#### Numeracy

Expanded Notation	Represent three- to five-digit numbers in expanded notation (e.g., $1,000 + 400 + 30 + 4$ )	✓	⊙	
Fraction ID	Identify fractions (e.g., with numerators and denominators 10 and under) with and without visual representations	✓	⊙	⊙
Place Value	Identify the place values of digits in four- to six-digit numbers	✓	✓	✓
Fraction Comparison	Compare fractions with different numerators and/or denominators using symbols ( $<$ and $>$ )	★	✓	✓
Decimal Comparison	Compare decimals using symbols (e.g., $.25 < .50$ )	★	★	✓
Fraction Addition & Subtraction	Add and subtract fractions with same denominators		★	★

#### Operations

Addition	Add single-, double-, and triple-digit numbers with sums under 1,000 using regrouping if necessary	✓	✓	⊙
Subtraction	Subtract single-, double-, and triple-digit numbers with differences under 500 using regrouping if necessary	✓	✓	⊙
Multiplication	Multiply single- and double-digit numbers with products under 150 using regrouping if necessary	★	★	✓
Division	Divide double-digit numbers by single-digit numbers	★		✓
Word Problems	Solve word problems involving all operations with single-, double, and triple-digit numbers and currency		★	★

#### Patterns/Functions

Numerical Patterns	Complete patterns with numbers (e.g., increasing by 30s, decreasing by 3s)	✓	⊙	⊙
Addition, Subtraction & Multiplication Functions	Find the unknown numbers or symbols in incomplete equations involving addition, subtraction, and multiplication	✓	✓	✓
Division Functions	Find the unknown numbers or symbols in incomplete equations involving division		★	★